

**COMPOSITIONS AND FILMS FOR CAPSULE MANUFACTURE**

Patent Number: WO0207711  
Publication date: 2002-01-31  
Inventor(s): HAUNG HAIYONG (US); SCHMITT ROBERT (US)  
Applicant(s): HAUNG HAIYONG (US); SCHMITT ROBERT (US); UNION CARBIDE CHEM PLASTIC (US)  
Requested Patent: ☐ WO0207711  
Application Number: WO2001US12459 20010417  
Priority Number(s): US20000220052P 20000721  
IPC Classification: A61K9/48  
EC Classification: A61K9/48B  
Equivalents: AU5542901, BR0112599, ☐ CA2416257, EP1305011, JP2004504445T  
Cited Documents: WO9940156; US5614217

---

**Abstract**

---

Novel poly(alkylene oxide) containing compositions and films made therefrom are disclosed which are suitable to replace gelatin based films in the manufacture of capsules.

---

Data supplied from the esp@cenet database - I2

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
31 January 2002 (31.01.2002)

PCT

(10) International Publication Number  
**WO 02/07711 A1**

- (51) International Patent Classification<sup>7</sup>: **A61K 9/48**
- (21) International Application Number: **PCT/US01/12459**
- (22) International Filing Date: **17 April 2001 (17.04.2001)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:  
**60/220,052**                      **21 July 2000 (21.07.2000)**      **US**
- (71) Applicant (*for all designated States except US*): **UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION** [US/US]; 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **HAUNG, Haiyong** [CN/US]; 1 John F. Kennedy Blvd., Apt. 29K, Somerset, NJ 08873 (US). **SCHMITT, Robert** [US/US]; 40 Regional Road, Annadale, NJ (US).
- (74) Agent: **VOLLES, Warren, K.**; Union Carbide Chemicals & Plastics Technology Corporation, 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US).
- (81) Designated States (*national*): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— *with international search report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

WO 02/07711 A1

(54) Title: COMPOSITIONS AND FILMS FOR CAPSULE MANUFACTURE

(57) Abstract: Novel poly(alkylene oxide) containing compositions and films made therefrom are disclosed which are suitable to replace gelatin based films in the manufacture of capsules.